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PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032. U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**(Only for new nonprovisional applications  
under 37 CFR 1.53(b))

Attorney Docket No.

480140.428C1

First Inventor

William A. Horne

Title

**HUMAN BAD POLYPEPTIDES,  
ENCODING NUCLEIC ACIDS AND  
METHODS OF USE**

Express Mail Label No.

EV065001711US

J1050 U.S. PTO  
10/066179  
02/01/02

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 40]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Sheets 3]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in  
the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. ☒ Nucleotide and/or Amino Acid Sequence  
Submission (if applicable, all necessary)  
a. ☒ Computer Readable Form (CRF)  
b. ☒ Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☒ paper  
c. ☒ Statements verifying identity of above copies
- ACCOMPANYING APPLICATION PARTS**
9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
Should be specifically itemized
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C.  
122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent.
17. ☒ Other: Check:  
Revocation and Substitute Power of Attorney

18. If a CONTINUING APPLICATION OR APPLICATION CLAIMING FOREIGN PRIORITY, check appropriate box, and supply the  
requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

- ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) ☒ Claims priority from U.S. application  
No. 09/922,378

Prior application information Examiner Thaia N. TonGroup Art Unit: 1632For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or  
declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or  
divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a  
portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☐ Correspondence address below

or:

☒ Customer Number or Bar Code Label

Firm Name

Address

City, State, Zip

Country

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00500

PATENT TRADEMARK OFFICE

Name (Print/Type)

William T. Christiansen, Ph.D.

Registration No.  
(Attorney/Agent)

44,614

Signature

Date

February 1, 2002

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount  
of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND  
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J1131 U.S. PTO  
02/01/02

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There are no self-calculating totals.

EXPRESS MAIL NO. EV065001711US

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **740**

Application Number

Filing Date

**February 1, 2002**

First Named Inventor

**William A. Horne**

Examiner Name

Group Art Unit

Attorney Docket No.

**480140.428C1**

Complete if Known

## METHOD OF PAYMENT

☒ Payment Enclosed:  
☒ Check ☐ Credit card ☐ Money Order ☐ Other
☐ Deposit Account:Deposit  
Account  
Number**19-1090**Deposit  
Account  
Name**Seed Intellectual Property Law Group PLLC**

The Commissioner is authorized to (check all that apply)

- ☐ Charge fee(s) indicated below ☒ Credit any overpayments
- ☐ Charge any additional fee(s) during the pendency of this application
- ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any deficiencies

to the above-identified deposit account.

☐ Applicant claims small entity status. See 37 CFR 1.27.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	<b>740</b>
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					<b>(\$ 740)</b>

## 2. EXTRA CLAIM FEES

			Extra Claims		Fee from below		Fee Paid
Total Claims	<b>3</b>	-20** =	<b>0</b>	*		=	<b>0</b>
Independent Claims	<b>3</b>	-3** =	<b>0</b>	*		=	<b>0</b>
Multiple Dependent				*		=	

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0)

\*\*or number previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity		Small		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## SUBMITTED BY

Name (Print/Type) **William T. Christiansen, Ph.D.**Registration No. **44,614**  
Attorney/AgentFirm Name/  
Address

Signature

Date **February 1, 2002****00500**

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